FIELDVUE™ DLC3010 Digital Level Controller

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DLC3010 Digital Level Controller

475 Field Communicator

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Field Communicator Menu Tree

Hot Key
1 Write Lock
2 Write Lock Setup
3 Change PV
4 Enter Contstant Density

Online
1 Overview
2 Configure
3 Service Tools

1 Overview
1 Device Status
2 Comm Status
3 PV is
4 Primary Variable
5 AO
6 Process Temperature
7 Device Information

1-1 Device Status
1 Refresh Alerts
2 No Active Alerts

1-4 Primary Variable
1 PV Value
2 % Range

1-6 Process Temperature
1 Proc Temp Source
2 Proc Temp

1-7 Device Information
1 Identification
2 Revisions
3 Alarm Type and Security

1-7-1 Identification
1 HART Tag
2 Distributor
3 Model
4 Device ID
5 Instrument Serial Number
6 Sensor Serial Number
7 Final Assembly Number
8 Date
9 Descriptor
Message

1-7-2 Revisions
1 HART Universal Revision
2 Field Device Revision
3 Firmware Revision
4 Hardware Revision
5 DD Information

1-7-3 Alarm Type and Security
1 Alarm Type
2 Security

1-7-3-1 Alarm Types
1 Alarm Jumper
2 Display Alert/Saturation Level

1-7-3-2 Security
1 Write Lock
2 Write Lock Setup

2-1 Guided Setup
1 Instrument Setup

2 Configure
1 Guided Setup
2 Manual Setup
3 Alert Setup (See Reverse Side)
4 Communications
5 Calibration

2-4 Communications
1 Burst Mode
2 Burst Options

2-5 Calibration
1 Primary
2 Secondary

2-5-1 Primary
1 Guided Calibration
2 Full Calibration
3 Partial Calibration

2-5-1-3 Partial Calibration
1 Capture Zero
2 Trim Gain
3 Trim Zero

2-5-1-2 Full Calibration
1 Min/Max Calibration
2 Two Point Calibration
3 Weight Calibration

2-5-2 Secondary
1 Temperature Calibration
2 Analog Output Calibration

2-5-2-2 Analog Output Calibration
1 Scaled D/A/ Trim

2-5-2-1 Temperature Calibration
1 Trim Instrument Temperature
2 Trim Processs Temperature (Visible if Process Temperature is not Manual)

3 Service Tools
1 Active Alerts
2 Variables
3 Maintenance

3-1 Active Alerts [2]
1 No Active Alerts
1 Refresh Alerts

3-2 Variables
1 PV
2 Primary Variable
3 AO
4 Inst Temp
5 Process Temperature
6 Torque Rate
7 Upper Fluid Density [3]
8 Lower Fluid Density [4]

3-3 Maintenance
1 Tests
2 Reset/Restore

3-3-1 Tests
1 LCD Test [1]
2 Loop Test

3-3-2 Reset/Restore
1 Restore Factory Defaults
2 Reset Device

3-3-2-1 Restore Factory Defaults
1 Restore Factory Configuration
2 Restore Factory Compensation

[1] LCD Test is visible if LCD Configuration is installed.
[2] No Active Alerts visible if there are no active alerts. Refresh Alerts visible if an alert is active.
[3] Upper Fluid Density visible if PV is Interface.
[4] Lower Fluid Density visible if PV is Interface or Level.

DLC3010 Digital Level Controller

2-2 Manual Setup
1 Sensor
2 Variables
3 Process Fluid
4 Identification
5 Instrument Display

2-2-1 Sensor
1 Sensor Units
2 Sensor Dimensions
3 Torque Tube
4 Instrument Mounting
5 Sensor Damping

2-2-1-1 Sensor Units
1 Length Units
2 Volume Units
3 Weight Units
4 Torque Rate Units
5 Temperature Units

2-2-1-2 Sensor Dimensions
1 Displacer Length
2 Displacer Volume
3 Displacer Weight
4 Driver Rod Length

2-2-1-3 Torque Tube
1 Torque Rate
2 Change Torque Rate
3 TT Material
4 TT Comp Selection
5 TT Comp Table

2-2-2 Variables
1 Primary Variables
2 Sensor Limits
3 Primary Variable Range
4 PV Damping

2-2-2-1 Primary Variables
1 PV is
2 Change PV
3 PV Units
4 Level Offset
5 Set Level Offset

2-2-2-2 Sensor Limits
1 Upper Sensor Limit
2 Lower Sensor Limit
3 Minimum Span

2-2-2-3 Primary Variable Range
1 Upper Range Value
2 Lower Range Value
3 View/Change AO Action

2-2-3 Process Fluid (if PV is Density)
1 Proc Temp Source
2 Change Proc Temp
3 Proc Temp
4 RTD Wire Resistance

2-2-3 Process Fluid (if PV is Level or Interface)
1 Process Fluid
2 Process Temperature

2-2-4 Identification
1 HART Tag
2 Date
3 Descriptor
4 Message
5 Polling Address
6 Physical Signaling Code
7 Number of Request Preambles
8 Serial Numbers

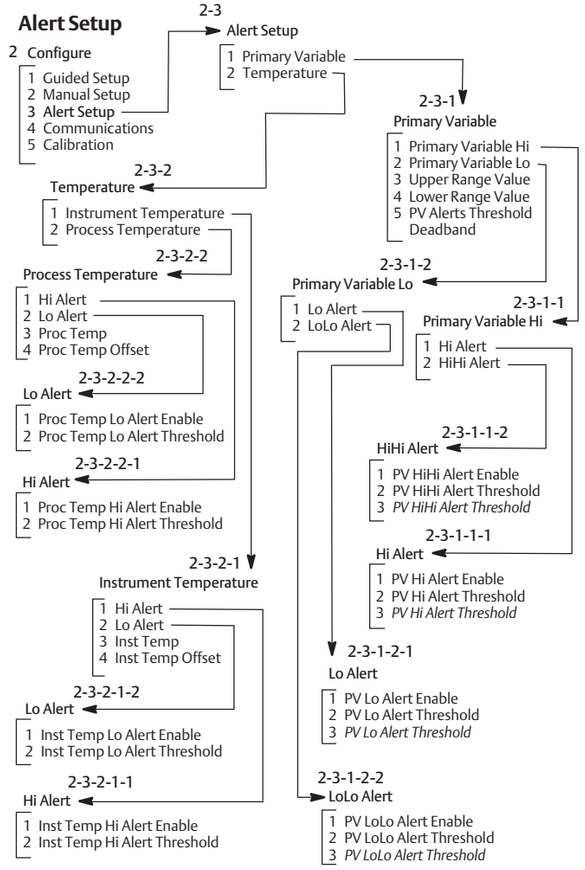
2-2-4-8 Serial Numbers
1 Instrument Serial Number
2 Sensor Serial Number
3 Final Assembly Number

2-2-5 Instrument Display
1 LCD Configuration
2 Display Mode
3 Change Display Mode
4 Decimal Places

If PV is Density
If PV is Level or Interface

Menu Tree applies to

Device Revision	Hardware Revision	Firmware Revision	DD Revision
1	1	8	3



Italics text indicates Method

Function/Variable	Fast-Key Sequence
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	3-2-3
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Burst Options	2-4-2
Calibration, Guided	2-5-1-1
Calibration, Min/Max	2-5-1-2-1
Calibration, Partial, Capture Zero	2-5-1-3-1
Calibration, Partial, Trim Gain	2-5-1-3-2
Calibration, Partial, Trim Zero	2-5-1-3-3
Calibration, Temperature	2-5-2-1
Calibration, Two Point	2-5-1-2-2
Calibration, Weight	2-5-1-2-3
Change Process Temperature	2-2-3-2[1]
	2-2-3-2-2[2][3]
Change Primary Variable	Hot Key-3
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Date	1-7-1-8
	2-2-4-2
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	2-2-4-3
Device ID	1-7-1-4
Device Status	1-1
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	2-2-3-1-4[2][6]
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Final Assembly Number	1-7-1-7
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Function/Variable	Fast-Key Sequence
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	2-2-3-1-3-2[3][6]
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	2-2-3-1-2[3][6]
	3-2-7[5]
	3-2-8[6]
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	2-3-1-4
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Function/Variable	Fast-Key Sequence
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PV is	1-3
	2-2-2-1-1
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Sensor Damping	2-2-1-5
Sensor Dimensions (Displacer Units)	2-2-1-2
Sensor Serial Number	1-7-1-6
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Sensor Units	2-2-1-1
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Torque Tube Compensation Selection	2-2-1-3-4
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Upper Density Table	2-2-3-1-3-1[3][6]
Upper Fluid Density	2-2-3-1-1[3][6]
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	2-3-1-3
Upper Sensor Limit	2-2-2-2-1
View/Change AO Action	2-2-2-3-3
Write Lock	Hot Key-1
	1-7-3-2-1
Write Lock Setup	Hot Key-2
	1-7-3-2-2

1. If PV is Density
2. If PV is Level or Interface
3. Not included in menu tree
4. LCD Configuration is installed
5. If PV is Level
6. If PV is Interface